Contracts to Be Let

Bids received until May 4, 1915.

Bridge Repairs

Northampton, Mass.

Sealed bids for reconstructing two piers and also for repairing the superstructure of the bridge across the Connecticut River between Northampton and Hadley, Mass., will be received by the Hampshire County Commissioners at their office, Hampshire County Court House, Northampton, Mass., until twelve o'clock M., on May 4, 1915, and at that time and place will be publicly opened and read.

No bid will be received unless accompanied by a properly certified check for five hundred ($500.00) dollars, payable to the order of "Treasurer of Hampshire County." Each check will be returned to the bidder unless forfeited, as hereinafter provided. All such deposits, except that of the successful bidders, will be returned to the persons making the same within ten days after the contract is awarded.

The contract must be signed and the bond furnished within six days (Sunday excepted) after the date of the notification by the Commission of the acceptance of the proposal and the readiness of the contract for signature, and in case of the failure of the bidder after such notification to execute the contract and furnish the bond within such time, the proposal will be considered abandoned, and the certified check accompanying the proposal shall be forfeited to the County.

Plans can be seen at the office of the Commission, Northampton, Mass., or at the office of the Engineers, 79 Milk Street, Boston, Mass.

The Commission reserves the right to reject any and all bids and reserves the right to award the contract as it deems for the best interest of Hampshire County.

FRANK A. BROOKS, Chairman,
FRANK M. SIBLEY,
CLARENCE E. HODGKINS,
Hampshire County Commissioners.

J. R. WORCESTER & CO., Engineers,
79 Milk Street, Boston, Mass.

Bids received until May 3, 1915.

Notice to Bridge and Concrete Contractors

Hamlin, West Va.

Sealed bids will be received until 2 o'clock P.M. May 3, 1915, by the Commissioners of the Lincoln County Court of Lincoln County, West Va., at Hamlin, West Va., the County Seat of said County, and at the County Clerk's Office,

FOR THE CONSTRUCTION OF A STEEL BRIDGE ACROSS GUYANDOTTE RIVER AND THE CONCRETE WORK FOR SAME.

For plans and specifications, address Oliver & Maupin, Engineers, Huntington, West Va.

The said Commissioners reserve the right to reject any and all bids.

A. C. PARSONS, President.
By ALBERT F. BLACK, Clerk.
Lincoln County Court.

Bids received until May 15, 1915.

Rock Tunnel

Drums, Butler Township, Pa.

Bids will be received for driving a rock tunnel, minimum cross section to be 7'x9', with a ditch 3' wide by 2' deep; approximate length of tunnel, 19,500 feet. The south portal will be in the Buck Mountain vein gangway of Hazle Mines, and the north portal of the tunnel will be on the Little Nescopeck Creek, near the village of Drums, Butler Township, Luzerne County, Pennsylvania.

All bids will be closed May 15, 1915.

Complete plans and specifications can be seen at the office of the Vice President & General Manager of the Lehigh Valley Coal Company, No. 133 North River Street, Wilkes-Barre, Pennsylvania.

Bids received until Apr. 26, 1915.

Bituminous Material

Albany, N. Y.

State of New York—Office of the State Commission of Highways, Albany, N. Y.—Pursuant to provisions of Chapter 30, Laws of 1909 as amended by Chapter 646, Laws of 1911, and Chapter 80, Laws of 1913, sealed proposals will be received by the undersigned at the office of the State Commission of Highways, 55 Lancaster Street, Albany, N. Y., at 1 o'clock P.M. on Monday, April 26, 1915, for furnishing and delivering bituminous materials "A" and "T" in the different counties comprising Divisions Nos. 1, 2, 3, 4, 5, 6, 7, 8 and 9. Tables and specifications showing the approximate quantities may be seen and obtained at the office of the Commission in Albany, N. Y. The special attention of bidders is called to the fact that separate proposals will be received for each Division for furnishing and delivering bituminous materials "A" and "T" as designated in detail by divisions on tables prepared for that purpose.

Each proposal must be accompanied by a draft or certified check issued by a National or State bank in good credit within the State and payable at sight to the order of the State Commission of Highways, for an amount equal to at least 5 per centum of the amount of the proposal which such draft or check accompanies. This draft or check will be held by the Commission until the contract is executed and the bond is filed.

The successful bidder on each proposal will be required to give a bond for 50 per centum of the amount of the contract, such bond to be executed by a Surety Company to be approved by the Commission. The bond is for the purpose of insuring the delivery of the bituminous material as called for by the Commission.

The right is reserved to reject any or all bids.

EDWIN DUFFEY, Commissioner.
I. J. MORRIS, Secretary.

Bids received until May 11, 1915.

Highway Work

OFFICE OF THE STATE COMMISSION OF HIGHWAYS,
Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at 1 o'clock p.m., Tuesday, the 11th day of May, 1915, for the repair of highways in the following counties:

Cattaraugus & Chautauqua (one contract—surface application 33.38 miles); Cayuga (one contract—surface treatment, 11.24 miles); Cortland County (one contract—surface treatment, 11.22 miles); Dutchess (two contracts—surface treatment, 23.95 miles); Erie (one contract—surface treatment, 22.79 miles); Lewis (one contract—surface treatment, 15.77 miles); Ontario & Livingston (one contract—surface treatment, 22.33 miles); Monroe (two contracts—surface treatment, 41.41 miles); Niagara (two contracts—surface treatment, 52.57 miles); Ontario (one contract—surface treatment, 18.42 miles); Orleans (one contract—surface treatment, 20.54 miles); Onondaga (one contract—surface treatment, 14.91 miles); Rensselaer (one contract—surface treatment, 4.14 miles); Suffolk (one contract—surface treatment, 7.54 miles); Tompkins (one contract—surface treatment, 4.49 miles); Westchester (one contract—surface treatment, 25.01 miles).

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the Division Engineers in whose division the contracts are to be repaired. The addresses of the Division Engineers and the counties in which they are in charge will be furnished on request.

The especial attention of bidders is called to "Information for Bidders" in the itemized proposal, specifications and contract agreement.

EDWIN DUFFEY, Commissioner.
I. J. MORRIS, Secretary.

Bids received until May 1, 1915.

Sewers and Water-Works

Laurel, Md.

SEALED PROPOSALS, addressed to George W. Waters, Jr., Mayor, Laurel, Md., and marked "Sewer and Water Bids," will be received until two P.M., May 1st, 1915, for furnishing materials and constructing a complete system of sanitary sewers, extensions to water mains and other water-works improvements, comprising the following:

Approximately eight and seven-tenths miles of Sewers, 8-inch to 15-inch in diameter.
Approximately three and one-quarter miles of Water Mains, 2-inch to 8-inch in diameter.
Sewage Disposal Plant.
Compressed Air Sewage Ejectors.
Rapid Sand Filter Plant for Water-works, comprising Building and Equipment.
Motor Driven Pumping Machinery.

Bids will be received for the entire work or for any portion thereof.

Plans and specifications may be seen at the Collector's office, Laurel, Md., or at the office of Harry Stevens, Consulting Engineer, Union Trust Building, Washington, D. C., or may be obtained from the Engineer for Five ($5.00) Dollars per set.

Right is reserved to reject any or all bids or to accept any bid for the whole or any portion of the work.

For the information of prospective bidders, the Town has the necessary funds for the above work deposited in the bank.

GEORGE W. WATERS, JR., Mayor.
HARRY STEVENS, Engineer.

Bids received until Apr. 28, 1915.

Fire Doors and Steel Rolling Doors

New Orleans, La.

Sealed proposals will be received by the Board of Commissioners of the Port of New Orleans at their office, Suite 200 New Orleans Court Building, until April 28th, at eight o'clock p.m., and then publicly opened, for the furnishing and installing of Fire Doors and Steel Rolling Doors, etc., for the cotton warehouses and terminal now under construction located on the East Bank of the Mississippi River near Valence Street.

The Contractor will be required to furnish a bond to the amount of one-quarter of the contract price, but not less than Thirty Thousand ($30,000.00) Dollars. Payments monthly to the extent of ninety (90%) per cent. of the Engineers' estimate of the work accomplished. Plans and specifications may be inspected at the office of Ford, Bacon & Davis, Engineers, No. 921 Canal Street, New Orleans, Louisiana, by whom full sets will be furnished to prospective bidders on deposit of Twenty-five ($25.00) Dollars. This amount will be refunded to all bidders who submit proposals and return said set in good condition to the Engineers. **To bidders who do not submit** proposal, Fifteen ($15.00) Dollars will be refunded upon return of plans above.

The right is reserved to reject any and all bids.

(Signed) ERNEST M. LOEB, President.

Bids received until Apr. 30, 1915.

Proposals for Concrete Wall

Wilkes-Barre, Pa.

SEALED PROPOSALS will be received at the City Clerk's Office, Wilkes-Barre, Pennsylvania, until Friday, April 30th, 1915, at 12 o'clock Noon, for furnishing all labor and materials and erecting a concrete Retaining Wall along Solomon's Creek between Franklin and Vulcan Streets in said City. Bids to be submitted in accordance with specifications, copies of which may be had upon application to B. K. Finch, City Engineer, upon payment to him of the sum of $5.00, which will be refunded to bidders, provided specifications are returned to the City Engineer on or before May 5th, 1915. Proposals to be endorsed "Proposals for Retaining Wall" and must be accompanied by a certified check in the sum of $500.00 and to be addressed to Fred H. Gates, City Clerk. The City Council reserves the right to reject any or all bids received.

C. N. LOVELAND,
Superintendent Department Streets and Public Improvements.

Bids received until May 25, 1915.

Brick, Segment Block and Terra Cotta Pipe Sewers

Wilkes-Barre, Pa.

SEALED PROPOSALS will be received at the City Clerk's Office, Wilkes-Barre, Pennsylvania, until Tuesday, May 25th, 1915, at 12 o'clock, Noon, for furnishing all labor and materials and constructing brick, segment block and terra cotta pipe sewers in the City of Wilkes-Barre in accordance with plans and specifications, copies of which may be had upon application to B. K. FINCH, City Engineer, upon payment to him of the sum of Five Dollars ($5), which will be refuned to bidders, provided said specifications are returned to the City Engineer on or before June 1, 1915. Proposals to be endorsed "Proposals for Sewer Construction" and addressed to Fred H. Gates, City Clerk, and must be accompanied by a certified bank check in the sum of One Thousand Dollars ($1,000), conditioned upon the successful bidder entering into a contract for the completion of said work. The firms who submit bids to those bidding on the sewer, to furnish to said bidders vitrified segment sewer tile, must file with the City Clerk, on or before May 25th, 1915, at 12 o'clock Noon, a Surety Company Bond in the sum of Ten Thousand Dollars ($10,000) guaranteeing said tile for a period of five years from the date of the completion of the sewer. The City Council reserves the right to reject any or all of the bids.

C. N. LOVELAND,
Superintendent of the Department of Streets and Public Improvements.

Bids received until May 5, 1915.

Highway Work

OFFICE OF THE STATE COMMISSION OF HIGHWAYS,
Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at 1 o'clock p.m., Wednesday, May 5th, 1915, for the improvement of Highways in the following counties:

Allegany, 2 highways (4.00; 8.64); Cattaraugus (approx. length 4.43); Chautauqua, 2 highways (3.99; 1.59); Dutchess (approx. length .88); Franklin (approx. length 8.81); Hamilton (approx. length 5.01); Herkimer, 3 highways (1.81; 3.60; 5.63); Jefferson (approx. length 7.27); Livingston, 3 highways (3.51; 3.96; 2.18); St. Lawrence, 3 highways (5.66; 9.09; 10.85); Schenectady (approx. length 5.62); Schoharie (approx. length 4.99).

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the Division Engineers in whose division the road is to be constructed. The addresses of the Division Engineers and the counties in which they are in charge will be furnished on request.

The especial attention of bidders is caled to "INFORMATION FOR BIDDERS" in the itemized proposal, specifications and contract agreement.

EDWIN DUFFEY, Commissioner.
I. J. MORRIS, Secretary.

Bids received until May 3, 1915.

Notice to Bridge Contractors

Cobleskill, N. Y.

Sealed bids and proposals will be received by the undersigned at the office of the Town Clerk in the Village and Town of Cobleskill, Schoharie County, N. Y., until One o'clock in the afternoon of May 3rd, 1915, at which place and hour they will be publicly opened and read, for furnishing material in constructing a new bridge over the Cobleskill Creek near the residence of Foster Barner in said Village and Town.

Detailed plans and specifications of said bridge may be seen and examined at the office of the Town Clerk in said Village and Town, and at the State Highway Commission's Office at Albany, N. Y.

Each bid of proposal must be addressed to Ogden Eldredge, Town Clerk, Cobleskill, Schoharie County, N. Y.

The right to reject any and all bids is hereby reserved.

LORENZO J. GORDON,
Town Superintendent of Highways of the Town of Cobleskill, N. Y.
Dated April 9th, 1915.

Bids received until May 5, 1915.

Steam Turbine-Driven Centrifugal Pump

Kansas City, Mo.

SEALED PROPOSALS will be received by the Purchasing Agent of Kansas City, Missouri, at the office of the Purchasing Agent, Second Floor, City Hall, until two o'clock p.m. of Wednesday, May 5th, 1915, for the designing, construction, delivery and erection of a steam turbine, reduction gear, centrifugal pumping unit of a capacity to pump continuously twenty (20) million U. S. gallons of water per twenty-four (24) hours, against a total combined head of three hundred and sixty (360) feet and steam pressure of one hundred and sixty-five (165) pounds per square inch at throttle; together with all machinery, tools and appurtenances necessary; all in accordance with the plans and general specifications on file in the office of the Chief Engineer of the Water Department.

Each bidder shall deposit with the City Comptroller a certified check in the amount of Seven Hundred and Fifty Dollars ($750.00), payable to the City Comptroller of Kansas City, Missouri, and accompany his bid with the Comptroller's receipt therefor.

The certified check referred to in the Advertisement shall be submitted by each bidder as a guaranty that the bidder will, within ten (10) days after receiving the award of a contract, file with the City a satisfactory bond to the amount of Twenty-five Thousand Dollars ($25,000.00) and will execute the contract.

The Board of Fire and Water Commissioners does not bind itself to accept the lowest or any bid offered, and reserves the right to reject any and all bids and to waive any informality when it seems to be to the interest of Kansas City, Missouri, to do so.

J. P. LANGAN, Purchasing Agent.
BURTON LOWTHER, Chief Engineer.

Bids received until Apr. 29, 1915.

Furnishing Stone

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at 1 o'clock p.m., Thursday, April 29th, 1915, for furnishing stone on the following contracts:

Albany 2 (4020 tons); Allegany (820 tons); Broome 2 (2540 tons); Cattaraugus and Chautauqua (2450 tons); Cayuga (491 tons); Chemung (1380 tons); Chenango (2645 tons); Cortland (1010 tons); Delaware and Schoharie (1540 tons); Erie 2 (8700 tons); Niagara (1400 tons); Onondaga (1165 tons); Otsego (790 tons); Rensselaer 2 (1415 cu.yds.); Rensselaer (1340 tons); Saratoga (1650 tons); Schenectady (2025 tons); Schoharie (391 cu.yds.); Schuyler (400 tons); Seneca (355 tons); Sullivan (265 tons); Tioga (780 tons); Tompkins (2465 tons); Wayne (605 tons); Yates (250 tons); Oswego (755 tons).

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, New York, and also at the office of the Division Engineer in whose division the stone is to be furnished. The addresses of the Division Engineers and the counties in which they are in charge will be furnished on request.

The special attention of bidders is called to the "Information for Bidders" in the itemized proposal, specifications and contract-agreement.

The right is reserved to reject any or all bids.

EDWIN DUFFEY, Commissioner.
I. J. MORRIS, Secretary.

Bids received until May 18, 1915.

Public Wharf

City of Dunkirk, New York, April 17, 1915.

Sealed proposals for construction of a public wharf at Dunkirk, N. Y., will be received until 8 P.M., Eastern time, May 18th, 1915, and then opened publicly. Right is reserved to reject any or all bids. Plans and specifications are on file and information may be had on application to the undersigned. Specifications will be forwarded to applicants. To insure return of plans, a deposit of $20 is required for plans mailed, which sum will be returned to applicant upon receipt of plans.

A. D. TOOMEY, City Clerk.

Bids received until Apr. 29, 1915.

Sewers and Bridge

DEPARTMENT OF PUBLIC WORKS
Office, 216 City Hall,
Philadelphia, April 12, 1915.

Sealed Proposals, endorsed "Bids for Branch sewers, Main sewers, Repairs to old sewer, Inlets, etc., Shafting and Belt Mule Drive and Bridge," and addressed to the undersigned, at Room 216 City Hall, will be received until 12 o'clock noon, on Thursday, April 29th, 1915, for

Schedule A. Branch sewers.
" B. Main sewers.
" C. Repairs to old sewer (Thompson St.).
" D. Inlets, laterals, etc.
" E. Shafting and Belt Mule Drive over Engine No. 1 at the Pennypack Creek Pumping Station.
" F. Bridge on line of 58th street over Philadelphia and Baltimore Central Railroad.

Plans for the above work will be exhibited in the office of Bureau of Surveys, Philadelphia.

Specifications and blank forms upon which bids must be made will be furnished upon application to the Chief Engineer, Room 416, City Hall.

Bidders must be skilled and regularly engaged in the class of work bid for.

Bids will be opened and read in Room 225 City Hall, at noon, on date above mentioned.

No bid will be considered unless accompanied by a certificate from the City Solicitor, that the provisions of an ordinance requiring proposal bonds when the bids exceed in amount five hundred dollars, approved May 25, 1860 (p. 81, West), have been complied with.

The Director reserves to himself the right to reject any or all bids, as he may deem best for the interests of the city.

M. L. COOKE, Director.

Bids received until May 5, 1915.

Proposals for Lift Bridge

Elizabeth, N. J.

Sealed proposals will be received by the Committee of the Board of Chosen Freeholders of Union County at the Court House, Elizabeth, N. J., at 2:00 P.M. Wednesday, May 5, 1915, for the following described work.

New steel lift bridge over the Elizabeth river at Baltic Street and Trenton Avenue, Elizabeth, N. J. The channel clearance to be 60 feet and the length of moving leaf 85 feet. The width of roadway to be 24 feet and the width of each sidewalk 5 feet, the bridge to consist of a single leaf pony truss Strauss Trunnion Bascule Bridge as designed by the Strauss-Bascule Bridge Co. of 104 South Michigan Avenue, Chicago, Ill. Each bid to cover the entire bridge complete including foundations, superstructure, approaches, excavations and embankments, as set forth in the specifications.

Each bid must be accompanied with a certified check for $1,000.00 as a guarantee of good faith, as required by the specifications.

Plans and specifications for this work may be examined at the office of the County Engineer of Union County, 120 Broad Street, Elizabeth, N. J.

The right is reserved by the Committee to reject any or all bids as may be deemed best for the interests of the County of Union.

JACOB L. BAUER, County Engineer.

Bids received until May 5, 1915.

Notice to Bridge Contractors

Cumberland, Md.

Bids will be received by the Mayor and City Council of Cumberland, Md., up to 9:30 o'clock A.M., May 5th, 1915, for the construction of a concrete twin arch bridge at Market Street over Wills Creek, clear span of each 65 feet.

Plans and specifications can be procured at office of City Engineer, City Hall, on deposit of ten dollars ($10.00), to be refunded if same be returned in good condition.

The right is reserved to reject any and all bids if not satisfactory to the Mayor and City Council.

JAMES P. GAFFNEY, City Engineer.

Bids received until May 5, 1915.

Grasse River Bridge

Canton, N. Y.

Sealed proposals will be received at the office of the Town Clerk of the Town of Canton, St. Lawrence County, New York, until the 5th day of May, 1915, at 2 P.M., for the building of a concrete-steel arch bridge over the Grasse River in the Village of Canton, and will be publicly opened and read at that time.

Plans and specifications may be seen and forms of proposal may be obtained at the office of the Town Clerk of Canton, St. Lawrence County, N. Y., and also at the office of the Concrete-Steel Engineering Company, Park Row Building, New York, N. Y. Copies of the plans and specifications may be obtained from the Concrete-Steel Engineering Co., upon making a deposit of $10.00, which will be refunded upon the return of the plans and specifications in good order.

Each proposal must be accompanied by **an unconditional** certified check on a National Bank for ten (10%) per cent. of the contract price, made payable to the **order of Ceylon G.** Chaney, Town Supervisor, as evidence of good faith, and to be forfeited to the Town of Canton as liquidated damages in case of failure on the part of the bidder to enter into a contract for the execution of the work, and to furnish satisfactory surety bond as hereinafter stipulated. Bidder's certified checks will be returned after consideration of the bids, and the check of the successful bidder will be returned as soon as the contract is signed.

Proposals will be entertained only from parties who have at their command the necessary capital, plant and experience for properly doing such work.

Envelopes containing proposals must have endorsed thereon—"Proposal for Grasse River Bridge at Canton, N. Y."

The right is reserved by the Town to accept any proposal, or to reject any or all proposals.

TOWN OF CANTON
By CEYLON G. CHANEY, Supervisor.
H. M. BARBER, Town Clerk.

Bids received until May 14, 1915.

Sewage Collecting System and Sewage Treatment Works

Huntington, Long Island, N. Y.

Sealed proposals for furnishing all labor and materials for constructing a system of sewers and a sewage disposal works in the Sewer District of Huntington, N. Y., addressed to the Sewer Commissioners of the Sewer District of Huntington, N. Y., and endorsed "Proposal for Constructing Sewers and Sewage Disposal Works," will be received by the Sewer Commissioners at their office in the Town Hall, Huntington, N. Y., until 2 o'clock P.M. on May 14, 1915.

The proposed sewer system consists of some 15 miles of sewers, ranging in size from 8 to 15 inches in diameter and for the most part of vitrified pipe with bituminous joints. The sewage treatment works consists of settling tanks of the Imhoff type, divided into three sections, each about 50 feet long and 11.5 feet wide, with suitable sludge compartments and sludge-drying beds, and other appurtenances, including a centrifugal pump operated by a gasoline engine.

Proposals must be made on the blank form of proposal bound with the contract and specifications. Plans and specifications may be obtained from George W. Fuller, Engineer, 170 Broadway, New York City, or C. M. Felt, Secretary, Sewer Commissioners at their office in the Town Hall, Huntington, will be refunded if said plans and specifications are returned in good condition within thirty days after bids have been received and acted upon by the said Sewer Commissioners.

Proposals must be accompanied by a certified check on a national bank drawn to the order of the Sewer Commissioners of Huntington, N. Y., in the sum of $3,000. The bidder to whom the contract is awarded will be required to execute the same and furnish a surety bond in the sum of 50 per cent. of the amount of the contract within ten days, Sundays excepted, after receiving final notice of the award. The bond shall be satisfactory to the Sewer Commissioners both as to form and surety. The Sewer Commissioners reserve the right to reject any and all bids.

C. M. FELT, Secretary.

U. S. ENGINEER OFFICE, Louisville, Ky., April 12, 1915.—Sealed proposals for two steel dump scows will be received here until 12:00 noon, Central Time, May 13, 1915, and then publicly opened. Information on application. J. C. OAKES, Major, Engrs.

Bids received until May 21, 1915.

Bridges

Rome, Ga.

Sealed proposals will be received by the Board of Commissioners of Roads & Revenue, Floyd County, Ga., until twelve o'clock noon of May 21st, 1915, for the construction of the following bridges, with the City of Rome, said County.

(a) Second Avenue Bridge—A reinforced concrete arch bridge, forty foot roadway and two eight foot sidewalks, total length of about three hundred and seventy-six (376) ft.

(b) Reinforced concrete arch bridge at Broad Street, forty foot roadway and two eight foot sidewalks, total length of about four hundred and seven (407) feet.

(c) Steel truss bridge on concrete substructure, at Fifth Avenue, with a thirty-six and one-half foot roadway and two eight foot sidewalks, total length three hundred and sixty-seven (367) feet. This bridge will have a movable channel span with a channel clearance of about one hundred feet.

Certified check for One Thousand Dollars must accompany each bid.

Instructions to bidders, plans, specifications, forms of contracts, proposal and bond may be seen in the offices of the Consulting Engineers, Greiner & Whitman, Fidelity Building, Baltimore, Md., W. C. Spiker, Hurt Building, Atlanta, Ga., and in the office of Kieffer Lindsey, County Engineer, at Rome, Ga.

Contractors can obtain complete sets of plans, specifications, etc., from W. C. Spiker, for the sum of $5.00 per set for the Fifth Avenue Bridge and $5.00 per set for the Second Avenue and Broad Street bridges combined, and the Board reserves the right to reject any or all proposals and to make the award for either bridge separately or all bridges together, according to the best interest of the County.

After bidding on plans as above stated bidders may also submit alternate designs and specifications with their bids thereon, such alternate designs to be approved by the County Consulting Engineers. This April 19th, 1915.

J. G. POLLOCK, Commissioner.
C. L. CONN, Commissioner.
W. N. HORTON, Commissioner.
P. C. GRIFFIN, Commissioner.
C. M. YOUNG, Commissioner.
J. S. DAVIS, Commissioner.

Bids received until May 10, 1915.

Sewer Proposals

City of Bridgeport, Connecticut.

Proposals will be received by the Paving & Sewer Commission of the City of Bridgeport, Conn., until Monday, May 10th, 1915, at 8:00 o'clock P.M., at the office of its secretary, Room No. 22, City Hall, in said city, for the construction of two sewers of approximate lengths and sizes as follows:

IN SEAVIEW AVE.
1300 feet of 24"
1150 feet of 22"
1550 feet of 20"

IN HOUSATONIC AVENUE.
1620 feet of 48"
1880 feet of 45"
200 feet of 42"
1825 feet of 12"
66 feet of 20"

Each bidder will be required to accompany his bid with a certified check, drawn to the order of the Treasurer of the City of Bridgeport, for five per cent. of the cost of the work, which check will be returned immediately upon the execution of the contract and the furnishing of satisfactory surety by the successful bidder.

The Commission reserves the right to reject any and all proposals.

Profiles may be seen and copies of specifications and proposal blanks obtained at the office of Alfred H. Terry, City Engineer, City Hall, to whom all communications should be addressed.

BERNARD KEATING,
Secretary of Paving & Sewer Commission.

U. S. ENGINEER OFFICE, 337 Federal Building, Detroit, Mich., April 8, 1915.—Sealed proposals for dredging ship channel in Lake St. Clair, Mich., will be received at this office until 12 noon, April 28, 1915, and then publicly opened. Information on application. MASON M. PATRICK, Lt.-Col., Engrs.

U. S. ENGINEER OFFICE, Kansas City, Mo., April 10, 1915.—Sealed proposals for constructing about 9000 feet standard revetment on Missouri River, about 24 miles below Kansas City, and two miles from Atherton, will be received at this office until 12 M., May 10, 1915, and then publicly opened. Information on application. HERBERT DEAKYNE, Lieut.-Col., Engrs.

Bids received until May 10, 1915.

Jail

Greenville, S. C., April 19, 1915.

Bids will be received until twelve o'clock A.M., May 10th, 1915, for the erection and completion of a jail for the County of Greenville, Greenville, S. C., in accordance with plans and specifications prepared by Joe T. Lawrence, Architect, Greenville, S. C., exclusive of steel work.

Bids will also be received at the same time and place for all steel work used in the above mentioned building.

Plans may be had upon application to the Architect, said application to be accompanied by a certified check for ten dollars as a guarantee for the prompt return of said plans and specifications.

All bids must be accompanied by a certified check for five hundred dollars ($500.00), made payable to J. I. West, Chm. of Jail Commission.

For any further information address the commissioners or Joe T. Lawrence, Greenville, S. C.

J. I. WEST, Chairman.
JNO. P. LOFTIS.
B. F. PERRY, JR.
Greenville County Jail Commission.

U. S. ENGINEER OFFICE, First District, New York City, Room 710 Army Building, 39 Whitehall Street, New York, N. Y., March 27, 1915.—Sealed proposals for constructing storehouses and a boat shed on Mill Rock at Hell Gate in East River, N. Y., will be received at this office until 12 M., April 26, 1915, and then publicly opened. Information on application. W. M. BLACK, Col., Eng'rs.

PROPOSALS FOR STORM-WARNING LANTERNS—U. S. Department of Agriculture, Washington, D. C., April 15, 1915.—Sealed proposals for furnishing storm-warning lanterns, as specified, f.o.b. factory, will be received here until noon, May 18, 1915, and then opened. Information furnished upon application to the Chief of Weather Bureau. Samples of the lanterns proposed to be furnished, to be submitted in connection with bid. Envelopes containing proposals should be indorsed "Proposals for Storm-warning Lanterns," and addressed to Chief, U. S. Weather Bureau, Department of Agriculture, Washington, D. C.

PROPOSALS FOR A GUARD HOUSE AND BAKERY. Office, Depot Quartermaster, El Paso, Texas, March 29, 1915.—Sealed proposals for the construction, plumbing, heating, electric wiring and fixtures, of a guard House and Bakery, at Fort Bliss, Texas, will be received in this office until 11:00 A.M., April 30, 1915, and then opened. Information furnished on application. Applications for plans, etc., should be accompanied by a certified check for $10.00 to insure their return. Envelopes containing proposals should be indorsed "Proposals for Guard House and Bakery, Fort Bliss, Texas," and addressed Major William Elliott, Quartermaster Corps, U. S. Army.

U. S. ENGINEER OFFICE, Kansas City, Mo., April 20, 1915.—Sealed proposals for constructing about 2250 feet standard 3-row timber dike, and about 12,000 feet standard revetment on Missouri River, about 163 miles below Kansas City, and 9 miles below Glasgow, will be received at this office until 12 M., May 20, 1915, and then publicly opened. Information on application. HERBERT DEAKYNE, Lieut.-Col., Engrs.

U. S. ENGINEER OFFICE, Room 325 Custom House, New Orleans, La., Mar. 29, 1915—Sealed proposals for furnishing coal for United States plant from July 1, 1915, to June 30, 1916, will be received at this office until 11 A.M., May 3, 1915, and then publicly opened. Information on application. EDWARD H. SCHULZ, Maj., Engrs.

U. S. ENGINEER OFFICE, 337 Federal Building, Detroit, Mich., April 8, 1915.—Sealed proposals for constructing and placing two timber cribs and replacing with concrete, timber superstructure, breakwater at Harbor Beach, Michigan, will be received at this office until 12 noon, May 20, 1915, and then publicly opened. Information on application. MASON M. PATRICK, Lt.-Col., Engineers.

U. S. ENGINEER OFFICE, Louisville, Ky., April 19, 1915.—Sealed proposals for a Steel Hull for Dredge "Nolin River" will be received here until 12 noon, central time, May 19, 1915, and then publicly opened. Information on application. J. C. OAKES, Major, Engrs.

U. S. ENGINEER OFFICE, Pittsburgh, Pa., April 21, 1915.—Sealed proposals for building two lockkeepers' houses at Dam No. 1, Monongahela River, will be received at this office until 12 M. (Eastern Standard Time), May 21, 1915, and then publicly opened. Information on application. HAROLD C. FISKE, Captain, Engrs.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 10, 1915.—Sealed proposals will be opened in this office at 3 p.m., May 18, 1915, for the construction complete (including mechanical equipment, lighting fixtures, and approaches) of the United States post office at Laurel, Miss. One-story-and-basement building; ground area 7,000 square feet; fireproof throughout, except roof; stone facing below first-floor line, brick facing with stone base and stone and marble trimmings above first-floor line; tile and composition roof, with wood and copper cornice. Drawings and specifications may be obtained from the custodian of site at Laurel, Miss., or at this office, in the discretion of the Supervising Architect. O. WENDEROTH, Supervising Architect.

Bids received until May 4, 1915.

Fences

SEALED BIDS will be received by the Board of Water Supply, at its offices, twenty-second floor, Municipal Building, Park Row, Centre and Chambers Streets, New York City, until 11 A.M. on Tuesday, May 4, 1915, for Contract 143, for furnishing and erecting about 15 miles of wire fence with concrete posts and short lengths of concrete and wood guard rails, and doing some concrete repair work and general cleaning up at the Ashokan reservoir. The work is located in the towns of Olive, Marbletown and Hurley, Ulster county, New York.

At the above place and time the bids will be publicly opened and read. Pamphlets containing information for bidders, and contract drawings can be obtained at the above address, at the office of the Secretary, by depositing the sum of ten dollars ($10) in cash or its equivalent for each pamphlet. For further particulars apply to the office of the Principal Assistant Engineer at the above address.

CHARLES STRAUSS, President,
CHARLES N. CHADWICK,
JOHN F. GALVIN,
Commissioners of the Board of Water Supply.
W. BRUCE COBB, Secretary.

U. S. ENGINEER OFFICE, Kansas City, Mo., April 10, 1915.—Sealed proposals for constructing about 4,200 feet standard 3-row timber dike on Missouri River, about 12 and 20 miles below Kansas City, and about one-half mile below Cement City and near So. Liberty, will be received at this office until 12 M. May 10, 1915, and then publicly opened. Information on application. HERBERT DEAKYNE, Lieut.-Col., Engrs.

DEPARTMENT OF THE INTERIOR, U. S. RECLAMATION SERVICE, Washington, D. C., April 17, 1915.—Sealed proposals will be received at the office of the United States Reclamation Service, Provo, Utah, until 2 o'clock P.M., May 19, 1915, for construction involving about 30,000 yards of canal excavation and 3,400 yards of reinforced concrete. The work is located near Payson City, Utah, on the San Pedro, Los Angeles and Salt Lake R.R. and the Tintic Branch of the Denver and Rio Grande R.R. For particulars, address the United States Reclamation Service, Provo, Utah, or Washington, D. C. A. P. DAVIS, Chief Engineer.

TREASURY DEPARTMENT, U. S. Coast Guard, Washington, D. C., April 12, 1915.—Sealed proposals will be received at this office until 2 o'clock P.M., of Thursday, May 20, 1915, and then publicly opened, for the construction of a rubble mound breakwater at the Marblehead Coast Guard Station, Marblehead, Ohio. Specifications and drawings, form of proposal, etc., and full information can be obtained upon application to the Superintendent, 10th District, Coast Guard, Buffalo, N. Y., the Keeper, Marblehead Coast Guard Station, Marblehead, Ohio, or to this office. E. P. BERTHOLF, Captain Commandant.

U. S. ENGINEER OFFICE, Kansas City, Mo., April 20, 1915.—Sealed proposals for constructing about 5900 feet standard 3-row timber dike on Missouri River, about 50 and 53 miles below Kansas City, and 1 mile below Napoleon and 1 mile above Camden, will be received at this office until 12 M., May 20, 1915, and then publicly opened. Information on application. HERBERT DEAKYNE, Lieut.-Col., Engrs.

U. S. ENGINEER OFFICE, 337 Federal Building, Detroit, Mich., April 8, 1915.—Sealed proposals for construction of concrete masonry for fourth lock at Sault Ste. Marie, Mich., will be received at this office until 12 M., May 24, 1915, and then publicly opened. Information on application. MASON M. PATRICK, Lt.-Col., Engrs.

U. S. ENGINEER OFFICE, 337 Federal Building, Detroit, Mich., April 8, 1915.—Sealed proposals for furnishing and placing stone riprap along lake face of main breakwater, Harbor Beach, Michigan, will be received at this office until 12 noon, May 19, 1915, and then publicly opened. Information on application. MASON M. PATRICK, Lt.-Colonel, Engineers.

U. S. ENGINEER OFFICE, Cincinnati, O., April 7, 1915.—Sealed proposals for furnishing and erecting steel lock gates for Dam No. 29, Ohio River, will be received at this office until 2 p.m., April 27, 1915, and then publicly opened. Information on application. H. JERVEY, Lt.-Col., Engrs.

U. S. ENGINEER OFFICE, Wheeling, W. Va., March 29, 1915.—Sealed proposals for furnishing and delivering one service boat, designated No. 10A3, for Lock No. 10, Kanawha River, W. Va., will be received at this office until 11 a.m. (Eastern time), April 29, 1915, and then publicly opened. Information on application. T. H. JACKSON, Major, Engrs.

DEPARTMENT OF THE INTERIOR, Washington, D. C., April 19, 1915.—Sealed proposals in duplicate will be received at this Department until 2 o'clock p.m., Tuesday, May 11, 1915, and then opened, for the furnishing of all labor and material (unless otherwise specified) which shall be required for rewiring the third floor and galleries of the Patent Office Building, Seventh and F Streets, N.W., Washington, D. C., and making all connections ready for service, in accordance with plans and specifications, copies of which may be obtained upon application to the chief clerk of the department. Proposals should be securely enveloped, marked "Proposal for rewiring third floor and galleries, Patent Office Building," and be addressed to the Secretary of the Interior. BO SWEENEY, Assistant Secretary.

Classified Advertising

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POSITIONS WANTED

Mechanical and Electrical Engineers

ENGINEER, graduate M. E., at present employed, desires position with opportunity for advancement; 2½ years' practical experience; age 26; go anywhere on permanent work. P. W. 140, Eng. News.

Civil Engineers

GRADUATE ENGINEER, married, wishes work of any kind; can fill any position from axeman to engineer-in-charge; good draftsman; eight years' excellent engineering experience; references. P. W. 118, Eng. News.

CIVIL ENGINEER, college graduate; five years' experience, design and construction, docks, bridges, surveys. P. W. 179, Eng. News.

GRADUATE CIVIL ENGINEER wants work of any kind in the engineering line; five years' experience, land surveys, canal, roads, sewers and street paving. P. W. 76, Eng. News.

CIVIL ENGINEER, 45, now employed, is desirous of obtaining position in charge of construction with large company; experience includes railroad location, maintenance-of-way and construction, both steam and electric; general municipal work, with very large sewer design and construction work; highway construction; sewage-disposal experimentation and practice; drawing of specifications of many kinds; organization of construction work; planning records of cost for control purposes; field of work has extended from Atlantic to Pacific and from British Columbia to Central Venezuela; prefers local work, but will go abroad; has good working knowledge of Spanish. P. W. 132, Eng. News.

CIVIL ENGINEER, 17 years' experience, surveys and construction railways and hydraulic development; good draftsman; speak Spanish. P. W. 122, Eng. News.

CIVIL ENGINEER, graduate, married, seven years' experience field and office in mines, property, surveys, railroad maintenance, steel works, bridges and road construction; references; location immaterial. P. W. 120, Eng. News.

CIVIL ENGINEER; college graduate; Assoc. M. Am. Soc. C. E.; 10 years' experience, design and construction, docks, bridges, roads, canals, surveys. P. W. 152, Eng. News.

CIVIL ENGINEER AND SUPERINTENDENT, 31; graduate; nine years' wide experience on surveys, drainage, sewers, sewage disposal, water and paving; good draftsman and designer; available now; personal interview East or South. P. W. 154, Eng. News.

GRADUATE CIVIL ENGINEER, 13 years' experience in all classes of steel structures, bridges and subways; shop drawings, estimating and designing, past 10 years with leading bridge company, desires change. P. W. 163, Eng. News.

GRADUATE CIVIL ENGINEER; 26; four years' design and construction experience on heavy concrete, foundations, railway and municipal work; available May 1. P. W. 165, Eng. News.

CIVIL ENGINEER; 25; 1 year park construction, 3 years railroad mantenance, construction and location; West preferred. P. W. 171, Eng. News.

Bridge and Structural

STRUCTURAL ENGINEER, formerly chief designer and checker with leading concerns, wants responsible position. P. W. 162, Eng. News.

STRUCTURAL DETAILER AND CHECKER; technical graduate; five years' experience on office, mill buildings, highway bridges and small architectural work, capable of taking charge; good references. P. W. 149, Eng. News, Chicago.

STRUCTURAL ENGINEER, thorough designer, checker, squad man; 15 years' experience; wants responsible position. P. W. 177, Eng. News.

Surveyors

I. C. S. GRADUATE, 20, two years' experience in surveying, drafting; moderate salary. C. E. Norcross, Pemberton, N. J.

YOUNG MAN with 11 years' experience in railroad and general engineering desires position as transitman on any class of work; location immaterial; best references. P. W. 178, Eng. News.

YOUNG MAN, two years' experience in field, also technical education, desires position with surveying party; will go anywhere. P. W. 155, Eng. News.

Draftsmen

ENGINEER AND DRAFTSMAN, 33, ten years' experience field and office work, estimating, designing and installing, building bridges, reinforced concrete and steel and general construction. P. W. 146, Eng. News.

STRUCTURAL DRAFTSMAN; technical graduate; 5 years' experience designing, checking and detailing bridges and buildings. P. W. 169, Eng. News.

DRAFTSMAN, experienced in mechanical and electrical detailing, desires position as tracer; location immaterial; salary secondary consideration. P. W. 174, Eng. News.

STRUCTURAL DRAFTSMAN; Mass. tech. graduate; first-class detailer; 2½ years with leading New York firm. P. W. 160, Eng. News.

DRAFTSMAN or assistant to engineer on railroad, electrical, industrial and power plant work; hustling young man, with 4 years' engineering experience and 4½ years field and shop work, desires an opportunity. 1760 President St., Brooklyn.

DRAFTSMAN; young man; technical graduate; experience special machinery, factory and mill buildings; location immaterial. P. W. 173, Eng. News.

Superintendents, Etc.

I. C. S. GRADUATE, 29, in reinforced-concrete engineering and structural drafting, desires position with engineer, contracting firm or architect; ambitious, sober and reliable; best references. P. W. 128, Eng. News.

SUPERINTENDENT OR GENERAL FOREMAN of paving; familiar with all kinds of pavements; 24 years' experience; reliable and temperate. P. W. 130, Eng. News.

GRADUATE ENGINEER, 29, six years' experience on extensive surveys, irrigation, railways, foundations, mining and valuation surveys; responsible position only; references. P. W. 131, Eng. News.

ENGINEER; technically educated; 11 years surveys and construction, three years contractor's engineer; thorough knowledge costs and economical handling work. P. W. 156, Eng. News.

YOUNG MAN, graduate engineer, wishes engineering employment; character of work and location immaterial. P. W. 158, Eng. News.

SUPERINTENDENT OF PAVING; 18 years' experience; eight years on wood block; will go anywhere. P. W. 159, Eng. News.

DO YOU NEED A FIRST-CLASS ENGINEER? Perhaps I may suit; 14 years' railroad, sanitary and general construction; desire executive position in field or office; have position at present. P. W. 161, Eng. News.

COMPETENT DESIGNER, detailer and draftsman with extensive experience on structural steel, concrete and timber construction desires position; first-class references; also experienced in estimating and ornamental iron work. P. W. 150, Eng. News.

GRADUATE ENGINEER, 27, experienced in structural steel and pavement construction of various kinds, desires position. P. W. 176, Eng. News.

TECHNICAL GRADUATE, 24, three years' experience with general contractor, estimating, construction and cost keeping; salary secondary. P. W. 172, Eng. News.

YOUNG LADY, stenographer, typist and bookkeeper, 8 years' experience managing large office, wishes new berth; location immaterial; excellent references; salary moderate; at present employed. P. W. 164, Eng. News.

CONTRACTOR'S ENGINEER, estimator, general building construction, reinforced concrete, steel, masonry, timber, wants position; 10 years' experience; A-1 references. P. W. 166, Eng. News.

POSITIONS OPEN

YOUNG GRADUATE ENGINEER having had at least one year's experience in the making of structural steel shop drawings, to learn designing a special class of structures; moderate salary. P. 127, Eng. News.

BOOKKEEPER-STENOGRAPHER wanted for engineering office in Central South; give references, qualifications and salary expected. P. 151, Eng. News.

A CENTRIFUGAL PUMP DESIGNER with experience in designing high-speed pumps of small and medium sizes for high- and low-head service; applicants must state fully their experience, age and salary expected. P. 153, Eng. News.

MAN wanted to design and construct sewage system for city of 12,000. State age, salary and references. P. 170, Eng. News.

SEVERAL DRAFTSMEN, experienced in fact ory heating, ventilating, plumbing and lighting; give full particulars; first letter regarding experience, salary expected, etc. Address The Moulton Engineering Corporation, P. O. Box 533, New Haven, Conn.

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TECHNICAL ENGINEERS in every line for available positions; employers and applicants write The Toledo Engineering Agency, Toledo, Ohio.

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SPECIAL ADVANTAGES to contractors or others employing skilled or unskilled laborers. Commissary privileges optional. Central Labor Agency, 139 Mulberry St., New York. (Telephone 8970 Canal.)

CONTRACTORS or others employing laborers, skilled or unskilled. We supply laborers from coast to coast. No order too small or too large. Trial order will convince you. Maurice E. Finn's Labor Agency, largest in New England, 27 Washington St., Boston, Mass.

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CONTRACTORS—On your next job let be board your men and furnish commissary. I will pay commission. L. B. 175, Eng. News.

WANTED

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ENGINEER OR DRAFTSMAN to sell WINSLOW direct-reading, beam and reinforced concrete calculating SLIDE-RULES. Simple, quick. Good opportunity for first agent in each city. Henry W. Tomlinson, 62 East Van Buren St., Chicago.

HIGH-GRADE RESPONSIBLE SALES ENGINEER to represent us in different districts on commission basis; our equipment sells to power plants, architects and manufacturing industries; wide field rapidly growing; average sale $1000; applicant must be acquainted with engineers and architects in his district and have three years' selling experience; state age, value of yearly sales, what lines you are now handling; an excellent opportunity to get a live profitable account. Address "A. G. E.," 60 Arch St., Room 503, Boston, Mass.

SALES REPRESENTATION OF REAL VALUE—An expert and successful sales organization with technical and engineering ability, which has developed and standardized several well known materials and devices with the leading construction engineers and architects, public service, railway, and large industrial corporations in New York and vicinity, desires an additional account on a commission basis. W. 95, Eng. News.

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CONCRETE BLOCK WORKS, building material in general, machinery, finely equipped, with inexhaustible supply of sand and gravel on the spot. P. O. Box 613, Westwood, N. J.

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Equipment Wanted items appear at the end of this list.

N

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CONTRACTORS' Service Co., 50 Church St., N. Y. City.
DALLETT & CO., Harrison Bldg., Phila., Pa.
DOUGLAS, George B., 29 Broadway, New York, N. Y.
GIVIN Co., Herbert, 30 Church St., N. Y. City.
GRIMSHAW Co., Wm. B., 688 Drexel Bldg., Phila., Pa.
HITNER'S Sons Co., Henry A., Philadelphia, Pa.
HOISTING Engine Sales Co., 120 West 32d St., New York.
JENNISON-Wright Co., The, 313 Huron St., Toledo, O.
LINES FLYNN Co., Inc., 30 Church St., N. Y. City.
MARINE Metal & Supply Co., 167 South St., N. Y. City.
NEW RIVER Co., The, Macdonald, W. Va.
PIPE & Contractors Supply Co., 3 Dover St., N. Y. City.
SAMPSON Co., Geo. H., 13 Pearl St., Boston, Mass., and 42 B'way, N. Y. C.; or Winston & Co., Brown Station, N. Y.
SCHMIDT, Jr., & Co., C. G. A., Empire Bldg., Phila., Pa.
SOUTHERN Iron & Equipment Co., Atlanta, Ga.
STALLEY, G. T., Box 390, Cleveland, Ohio.
WHITNEY, O. R., 39 Cortlandt St., N. Y. C. (Cort. 6095).

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2—Ingersoll-Rand, Cross Compound steam and air cylinders with Corliss valve gear 2500 cu. ft. capacity.—SAMPSON.

2—Ingersoll-Rand, Cross Compound Steam and Air Cylinders with Corliss valve gear 3300 cu.ft. capacity. Boilers and Condensers with this plant. All in good condition. Bargain.—SAMPSON.

1—4700 Cu. Ft. Rand B. B. 3 Compound Steam and Compound Air Compressor with Condenser.—SAMPSON.

Several second-hand air compressors, steam and belt driven, straight line and two stage of various sizes from 70 to 1300 cu. ft. capacities. Good condition.—SAMPSON.

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Steam driven 3 Laidlaw-Dunn-Gordon duplex 2-stage, and 5 Norwalk tandem 2-stage, capacities 900 to 2100 cu.ft., condition excellent.—NEW RIVER.

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American 10x10x10 straight line, steam driven, cap. 236 cu.ft.; Ingersoll-Rand 8x8x8 straight line, steam driven, cap. 100 cu.ft.; Clayton 8x8x7 duplex, cap. 150 cu.ft.—MARINE.

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1—14" and 1—16" 50' centers.—GIVIN.

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5—250 H.P. B. & W., 150 lbs. steam. Horizontal return tubular, 2—72"x20', 1—78"x20', 1—72"x18', 1—72"x15', 1—72"x14', triple riveted, butt strapped, 125 lbs. steam.—HITNER'S.

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Hayward 1½ yd., Mead & Morrison 1½ yd., Smith 1 yd. and Union Iron Works ¾ yd. clam shells; Hayward 7 cu.ft. orange peel; 10—Steubner 1¼ yd. "Excelsior" bottom dump concrete.—MARINE.

96—42 cu.ft. Stuebner tip-over buckets.—SCHMIDT.

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[Standard Gauge]

45—80,000 lb. flat cars, cheap.—WHITNEY.

[36" Gauge]

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[24" Gauge]

1½ yd. Western with Vulcan Dinkey.—DALLETT.

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80—36 cu.ft. Koppel "V" body.—SCHMIDT.

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Gyratory, Nos. 8, 7½, 6, 5, 4, 3.—GIVIN.

1 No. 2 Climax on trucks with 15' elevator with 18 H.P. mounted Climax portable engine and boiler.—BECKWITH.

1 Climax Portable plant complete, A1.—GIVIN.

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1 Sturtevant, in perfect condition, used but 10 days; will sell cheap.—ARTHUR L. BATES, Meadville, Pa.

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1 3 drum National hoist 10x12 with boiler and three independent winch-heads, excellent condition; 4 7x10 D.C.D.D. Lidgerwood with boilers; 1 Lidgerwood D.C.D.D. with swinger, skeleton 7x10, and 1 National D.C.D.D. with swinger, skeleton 7x10.—PIPE.

2 Lidgerwood 14x18, D.C. 3-tandem drum, reversible link motion; 1 Lidgerwood, 10x12, D.C. S.D. reversible link motion; 1 Lambert, 10x12, D.C. D.D. with boiler; 2 Lambert, 8x10, D.C. D.D. with Mass. boilers; 1 Lambert 7x10, D.C. D.D. with boiler; 1 Mundy, 7¼x10, D.C. D.D. with boiler; 1 Mundy, 6¼x10, D.C. D.D. with boiler; 1 O. & S. 6¼x8, D.C. D.D. with boiler. 2 Lidgerwood, 60 H.P. D.D. and swinger d.c. hoists.—HITNER'S.

THREE HUNDRED hoists, 2 or 3 drum 7x10, 8¼x10, 9x10, 10x12, skeleton or boilers; 100 electric.—HOISTING.

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[Standard Gauge]

1 Porter, Std. G., 20-ton, 12x18, saddle tank.—DOUGLAS.

50 locomotives, Switch, Mogul, Consolidation, Ten Wheel and Saddle Tank types.—SOUTHERN.

2—40 ton switchers, overhauled.—CONTRACTORS S. CO.

[36" Gauge]

10 10x16" Porter, Davenport and Vulcans.—SOUTHERN.

5 9x14" Porters.—SOUTHERN.

2—9x14 Baldwin saddle tank.—BECKWITH.

5—10x16 Vulcans, 1911-12.—CONTRACTORS S. CO.

20 ton, 11x16" Davenport, built 1907, $1175.—GRIMSHAW.

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4 and 8-wheel, 10, 15 and 20 tons capacity.—HOISTING MACHINERY Co., 48 Church St., New York City.

4 and 8 wheel 10 and 15 ton.—CONTRACTORS S. CO.

15-ton Browning, 4-wheel, S. G., 50' boom.—DALLETT.

1—7 Ton, 4 wheel, Industrial, 21' boom; 1—15 ton, 8-wheel, Industrial, wrecking crane, 20' boom, goose neck.—HITNER'S.

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